

## ABSTRACT

1 A sealing system for sealing one end of a rotating  
2 shaft from fluids. The sealing system includes a  
3 resilient bellows element connected at each end to a  
4 thrust plate. The bellows acts like a compression spring  
5 forcing the thrust plates against respective sealing  
6 elements and thereby forming two dynamic seals around the  
7 shaft. Each of the dynamic seals alternately rotate with  
8 the shaft, depending upon the respective forces of  
9 friction acting on each.